



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

- Utility Patent Specification -

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Invention:
CHILD ALERT SYSTEM

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(P/A File ID: 01-0214)
[Printed: February 15, 2001]

EL04044 973345



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[Attorney's Docket ID: 01-0215]

Description

CHILD ALERT SYSTEM

Technical Field

5 The present invention is that of an electronic transmitting device that would allow authorities to locate a missing child or adult.

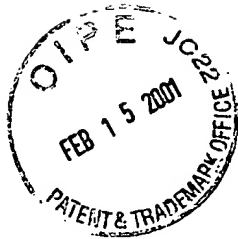
Background Art

10 The present invention would be an electronic transmitting device that would be remotely activated by authorities to locate a missing child or adult, or instead could be activated by the wearer to send out an emergency signal when in danger by using satellite triangulation.

General Summary Discussion of Invention

15 The present invention would comprise a receiver unit and a transmitter unit.

The transmitter unit of the present invention would feature a small battery powered transmitter that would be worn as a watch, bracelet, or pinned to the clothing of a child and would be
20 activated either remotely or by a user, to allow their location to be quickly determined. The transmitter would have a panic button



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allowing a wearer to send out an emergency signal if they so desired. The panic button would have to be pushed twice, which would prevent accidental activation, in order to send out a signal that would be picked up by the receiver unit of the present invention to alert the receiver unit that the wearer of the transmitter unit requires aid or assistance.

The receiver unit of the present invention would be maintained by local authorities, and would have the frequency or frequencies of all transmitters in the local area loaded into the receiver unit's software. By doing this, this would alert the authorities to activate the applicable user-worn transmitter in the event that a specific person is reported missing. It would also allow the authorities to identify the user when an emergency signal is sent out by the wearer of the device.

The present invention could also have a receiver that would be as small as the size of a pager. The pager would have an adjustable range setting which would be set off if the child, person, or other object that would be carrying the transmitter would be further away in distance than the preset distance on the receiver. The receiver, in this instance, would be carried by a parent or guardian.

Use of the present invention would provide a method of quickly locating a lost, injured, or abducted child or adult, and would

also allow that person to send out an emergency signal if they were in danger, so that authorities could quickly come to their aid. The present invention could also be utilized with a pet.

Brief Description of Drawings

5 For a further understanding of the nature and objects of the present invention, reference should be made to the following detailed description, taken in conjunction with the accompanying drawings, in which like elements are given the same or analogous reference numbers and wherein:

10 **Figure 1** is a perspective view of an exemplary embodiment of the receiver unit.

Figure 2 is a top plan view of a round pin style transmitter.

Figure 3 is two plan views of a square pin style transmitter.

15 **Figure 4** is a perspective view of a bracelet style transmitter.

Figure 5 is a plan view of a wrist watch style transmitter.

Exemplary Mode for Carrying Out the Invention

A receiver unit of the present invention can be seen in a perspective view in Figure 1. A transmitter, round pin style, can be seen in a front view in Figure 2. A transmitter, square pin style, can be seen in a front and side view in Figure 3. A transmitter, bracelet style, can be seen in a perspective view in

Figure 4. A transmitter, incorporated into a watch, can be seen in a front view in Figure 5.

If the receiver were the size of a small pager, the receiver would have three range settings which could be adjusted by a parent or guardian to determine how far a child, adult, pet, or other object would be away from a house or other location. For instance, if the parent or guardian would set the range for 500 feet and the child, person, or other object passes that range, the receiver/pager would beep loud and the child's ID number would flash on the screen, or if the child or person carrying the device hit the panic button, the same reaction on the receiver/pager would be registered.

In use, a user would simply attach a transmitter of the present invention to a child or to an adult, in the desired configuration, such as a watch, bracelet, or pin, and enjoy the knowledge that the exact location of the child or adult could be quickly determined if they are missing or suspected of being a party to foul play. In the event that such a situation would arise, a parent would contact the local authorities, who with the previous recorded transmitter frequency, would activate the transmitter and cause it to send a signal to an overhead satellite network. Satellites would triangulate the received signal, and provide the authorities with the exact location of the signal

source, allowing them to quickly go to the child or adult's aid.
The panic button feature of the transmitter would allow a wearer to
activate the signal if in danger or distress, alerting authorities
of their identity and location, again allowing them to contact the
5 parents and respond to the wearer's aid.

Use of the present invention would provide a very practical
and easy to use method of allowing authorities to almost
immediately determine the location of a child who may be missing or
abducted, and would also allow a child or adult to send out a
10 signal for help if in danger or distressed, so that aid would
quickly be on the way.